

How To Submit DNA Samples

1. Order DNA test kit(s) from National office by calling 940-387-3502 ext 10 or emailing request to Halla@redangus.org or dna-kit-request@redangus.org. There is no charge for test kits to be sent. We recommend blood cards.
2. Please order cards early. Cards are sent via United States Postal Service and can take longer than expected.
3. The DNA order form is included in each package of test kit(s) or can be found at <http://redangus.org/genetics/dna-tools/resources>.
4. Take good, clean, quality samples.



- A good blood sample is about the size of a quarter.
- A good hair sample is 20-30 follicles

5. Write identification of animal (registration number or animal ID) on front of card. This must match the order form that is submitted along with samples.

GENESEEEK
a Neogen Company
www.neogen.com/geneseek
(402) 433-0665

(Name) RAB
(Animal ID) B4038
(Signature) _____
(Date) 2-12-15

Patent numbers: 7,470,299
7,569,000

8161255088

Instructions:
1. Place 1-3 drops of blood on card.
Do not flood.
2. Seal card in envelope.
3. Store card in cool, dry place.
4. Do not use a hair dryer for drying.

6. Fill out DNA order form properly.
 - ✓ The submitter's name, address, member number*, and email should be included. This is how we complete billing, get questions answered and send results.
 - ✓ Should the order be rushed: Mark Yes or No. (additional charge, see order form)
 - ✓ Include Animal ID*, registration number (must have if submitting samples for GGP-HD or GGP-LD*), DNA Kit Barcode (can be found on the back or the front of kit, see above picture), Sample Type, Date of Birth, Sex, Sire and Dam or Multi- Sire or Multi-Dam Group.
 - ✓ Mark appropriate test boxes*.
 - ✓ Form must be signed to submit samples to the lab*.
 - ✓ To help speed up the submission process; if DNA form was completed electronically please send an electronic copy to DNA@redangus.org.
- *Must be included on order form.
6. Results are received primarily via email, unless other wise noted. If samples were submitted without a registration number it must be provided to RAAA to be listed online.

Example of DNA Order form completed

RAAA Parentage and Genetic Defect DNA Order Form



Name: Hana Pfeiff
 Address: 4201 N I 35
 City: Denton, Texas State: _____
 **Email: Hana@redangus.org

RAAA Acct#: 12345
 Phone: 940-387-3502
 ZIP: 76207 Fax: N/A

*Rush: Yes _____ No
 *When applicable only, see Instruction Page.

****Test results & all communication regarding your order will be via e-mail, unless otherwise requested.**
 Expected Turnaround Time: 20 Business Days. May be delayed if delivered samples are of poor quality or order form is not properly completed. Please review "DNA Sample Basics" to ensure a quality sample is received at the lab. Questions must be directed to the RAAA National Office. DO NOT contact the lab.

Animal Information					Genetic Abnormality Tests								Parentage							
Animal ID (Tag/Tattoo)	Registration Number (Required for GGP- HD&LD)	DNA Kit Barcode Number / Cane Code	Sample Type (B/H)	DOB	Sex (M/F)	AM	CA	MA	NH	DD	OS	BVD	Parentage (SNP)	GGP-HD	GGP-HD	Most Probable Sire Reg#	Multi Sire Group	Alternative Sire Reg#	Most Probable Dam Reg#	
B123	1234567	123456789	B	11/15	F	X	X						X			987654			345678	

Terms: Upon submitting samples to the Red Angus Association of America (RAAA), the submitting party conveys ownership of the sample to RAAA. The submitting party agrees and acknowledges that RAAA intends to perform genetic testing on the submitted sample in an effort to describe the animal's genetics. The submitting party further agrees and acknowledges that it assumes all risks that are associated with the genetic testing results and any associated implications. RAAA has the right to make any results determined through the genetic testing publicly available. In the event that the submission of this/these samples results in a parentage exclusion(s) or identification of genetic defect carrier(s), the process through which owners/breeders are notified will follow RAAA Rules and Regulations. The submitting party agrees that all samples are submitted to RAAA in an effort to fulfill the RAAA mission of advancing the quality, reliability, and value of Red Angus and Red Angus influenced seedstock used in the commercial beef industry. Therefore, RAAA shall not be held responsible for damages of any kind, including but not limited to, lost profits, lost value of progeny, lost value of embryos and/or semen, interruption of business that may arise from the publication of genetic testing results. The term 'submitting party' shall mean any RAAA member/customer submitting a DNA sample and test request, as well as any RAAA member/customer submitting a DNA test request for a DNA sample that is already on file with RAAA.

Signature: Hana Pfeiff

DNA6.4.15

Effective July 1, 2014 Hair Samples subject to \$1 processing fee. 1